

SACRAMENTO-SAN JOAQUIN DELTA ISLANDS & LEVEES, CA
CALFED LEVEE SYSTEM INTEGRITY PROGRAM
REQUEST FOR PROPOSALS
FOR DEVELOPMNT OF POTENTIAL INITIAL PROJECTS

PROJECT SUMMARY INFORMATION SHEET

Submitting Agency:

Reclamation District 17 – Mossdale Tract

Project Name:

Levee Seismic Upgrades

Purpose of Project:

Improve dynamic stability of District's levee system

Location of Project:

Reclamation District 17 – Mossdale Tract, San Joaquin County

Problems Addressed By Project:

Improve Factor of Safety and levee performance against levee under seepage and seismic impacts.

Opportunities:

To Reduce Flood Damages:

Reclamation District No. 17 – Mossdale Tract (RD 17) operates and maintains approximately 18 miles of levee along French Camp Slough, San Joaquin River and Walthall Slough which protect 16,800 acres of agricultural, residential, commercial and industrial land. This proposed levee improvement project would add additional Factor of Safety in those areas more susceptible to instability due to deep sand deposits and improve RD 17 levees to current design criteria set forth by the US Army Corps of Engineers for levee under seepage criteria.

Protect Water Supply/conveyance:

RD 17's levees are upstream of the State Water Project's intake on Old River

Ecosystem Restoration:

N/A

Project Description:

RD 17 plans on undertaking an extensive subsurface geotechnical investigation along its levee system in order to target areas that would benefit from the

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proposed seismic and seepage upgrades. It is anticipated that the geotechnical analysis would focus the District's project in areas of know deep sand deposits.

Project Scope:

The project would involve various sites along the following reach:

Levee Mile 0.00 to 13.8 – say 30,000 l.f.

Project Costs:

Seismic Upgrade/Cut-off Wall	\$45 to \$54 million
Engineering, Design, & Construction	\$4.5 to \$5.5 million

Willingness & Ability to Cost Share

At this time, RD 17 has limited ability to Cost Share in a Federal Project. This is a critical matter, and needs to be resolved prior to RD 17 committing to cost share. In the past, other Districts have provided land, easements and/or right of ways, while the State of California has picked up the balance of the cost share. In order for the RD 17 to consider cost sharing in this project, other responsible agencies will also need to be identified and commit to cost sharing.

Point of Contact & Agency Affiliation

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Scoping & Screening Information

Project urgency

RD 17 provides flood protection for developed real estate worth in excess of \$1.8 billion located throughout the District as well as protecting over \$65 million worth in farmland. In addition to protecting valuable property, the District's flood control system also protects Interstate 5 which runs directly through the middle of the District providing a major north-west corridor through the State of California. Other facilities protected by RD 17 flood control levees include the State Hospital, SJ County Jail, Sharpe Army Depot, portions of the City of Stockton, City of Lathrop, and the City of Manteca.

Anticipated changes in magnitude, frequency or duration of flood flows:

Not Applicable.

How does project address flooding, ecosystem, water supply & quality?

See Answers in text above.

Who or what will benefit from the potential project?

See Answers in text above.

What is the likely federal, state & local agency support?

See paragraph above regarding "Willingness & Ability to Cost Share."

Are there obstacles that may delay development and implementation of project?

Available Cost Sharing.

Is your agency ready, willing and able to serve as non-federal sponsor?

See paragraph above regarding "Willingness & Ability to Cost Share."